



**HEWLETT-PACKARD COMPANY
LOGIC SYSTEMS DIVISION**

**HP 64000
Logic Development
System**

SYSTEM RELEASE BULLETIN

Part Number: 5958-6019
E1188

Printed: NOVEMBER 1988

HP STARS II

64000 SOFTWARE RELEASE BULLETIN

UPDATE 88.12A

DECEMBER, 1988

This document supersedes all previously dated SSBs.

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P R E F A C E

This Software Release Bulletin documents all fixes and enhancements that are incorporated in the new release identified on the cover page. The SRB is provided as a benefit of Hewlett-Packard's Account Management Support, Response Center Support, and Software Materials Subscription.

Of the five sections contained in the SRB (not including the PREFACE), only the last section which contains the detailed reports has page numbers. These are referenced by the product, report number and keyword indexes in order to direct the user to a particular area or to an individual detailed report. The five sections are described below.

SOFTWARE RELEASE CONTENTS

This section lists the product names, numbers and update/fix levels of all products contained in this release. Products that have changed, or are new are denoted with an asterisk preceding the product name.

PRODUCT INDEX

Each unique product name/number has an entry listing the page number where the detailed report for that product begins.

REPORT NUMBER INDEX

This index is a sequential list of the individual report numbers with the corresponding page number where the report can be found.

KEYWORD INDEX

This index is sorted by product name, keyword, product number (including the update/fix level) and by report number in that order. In addition to the sort items, each entry has a brief description (one line) and the page number where the detailed report can be found. Note that a given report can be listed more than once in this section if it has more than one keyword assigned to it.

DETAILED REPORTS

Each report contains all the available information relevant to the problem being corrected or the enhancement being implemented.

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64360S004	00.00 Window Resize performance inconsistant at screen boundaries.	D200094573	55

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64764S006	01.02 Searching a large memory address range can hang system	D200095042	56
	64764S006	01.02 ct1-z is ignored one time upon entry into fui	D200096289	56
	64764S006	01.02 Adding emsetspecrun and emspectracer, and changing emspecrun	D200096305	56

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64764S006	01.02 Unable to use filename.a:symbol as a valid local symbol	D200096339	56
	64764S006	01.02 Entering memory address could hang system	D200096362	56
	64764S006	01.02 Ranging during analysis spec screen may hang system	D200096396	56

- -0

Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64765S006	01.00 Invalid COM port in 64700tab file	D200093427	57

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64264S004	01.00 "Core dumps" when displaying user memory<odd address> blocked word.	5000280750	58
	64264S004	01.00 Measurement System end released when terminal cannot be initialized	D200069575	58
	64264S004	01.00 Msg "Monitor must reside in emul pgm mem" is flaky	D200075788	58
	64264S004	01.00 Monitor is not recognized when overwritten,re-entered after "end-lock".	D200077438	58
	64264S004	01.00 pwd truncates the /net/system portion of the path when RFA'ed to system.	D200080689	59
	64264S004	01.00 Using Emulation across RFA can give incomplete symbol information	D200080986	59
	64264S004	01.00 The Inter-Module-Bus trigger signal latches when set to drive & receive	D200081935	59
	64264S004	01.00 Processes sometimes left running after parent has stopped.	D200082263	60
	64264S004	01.00 Emulator end_releases when displaying int. data mem. repet. at odd addr.	D200082453	60
	64264S004	01.00 Allow file loading without symbol database update.	D200083014	62
	64264S004	01.00 Loading a trace file from a different processor may cause core dump	D200083279	60
	64264S004	01.00 Provide a "display trace default" type of command.	D200083535	62
	64264S004	01.00 Need a home up/down for symbol displays	D200083816	63
	64264S004	01.00 Add status line logging	D200084335	63
	64264S004	01.00 Add "display module_name" command	D200084590	63
	64264S004	01.00 Add "set" command for shell variables (like in pmon)	D200084855	63
	64264S004	01.00 "modify memory" command results in an "end release".	D200084913	61
	64264S004	01.00 Using simio, then continuing , may not be possible	D200086405	61
	64264S004	01.00 "end" softkey after HP-IB error does not clear command line	D200088369	61
	64264S004	01.00 Code disp. with trace not right if code changed w/o ending emul. session	D200090894	61

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64787S006	01.01 ctl-z is ignored one time upon entry into fui	D200095034	65
	64787S006	01.01 Adding emsetspecrun and emspectrace, and changing emspecrun	D200096313	65
	64787S006	01.01 Unable to use filename.a:symbol as a valid local symbol	D200096347	65
	64787S006	01.01 Entering memory address could hang system	D200096370	65
	64787S006	01.01 Ranging during analysis spec screen may hang system	D200096404	65
	64787S006	01.01 Searching a large memory address range can hang system	D200096438	65

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64753S006	01.01 ctl-z is ignored one time upon entry into fui	D200096271	66
	64753S006	01.01 Adding emsetspecrun and emspectrace, and changing emspecrun	D200096297	66
	64753S006	01.01 Unable to use filename.a:symbol as a valid local symbol	D200096321	66
	64753S006	01.01 Entering memory address could hang system	D200096354	66

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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64753S006	01.01 Ranging during analysis spec screen may hang system	D200096388	66
	64753S006	01.01 Searching a large memory address range can hang system	D200096420	66
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Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64253S004	01.00 "run until" uses trace before <trigger>, it should trace about <trigger>	5000174557	71
	64253S004	01.00 With no absolute file loaded, "syntax error" is given for symbol access.	5000191395	72
	64253S004	01.00 Display io_port repetitively blocked words sometimes hangs the terminal	5000407874	67
	64253S004	01.00 Measurement System end released when terminal cannot be initialized	D200069559	67
	64253S004	01.00 pwd truncates the /net/system portion of the path when RFA'ed to system.	D200080663	67
	64253S004	01.00 Using Emulation across RFA can give incomplete symbol information	D200080960	68
	64253S004	01.00 The Inter-Module-Bus trigger signal latches when set to drive & receive	D200081919	68
	64253S004	01.00 Processes sometimes left running after parent has stopped.	D200082248	68
	64253S004	01.00 Allow file loading without symbol database update.	D200082990	72
	64253S004	01.00 Loading a trace file from a different processor may cause core dump	D200083253	69
	64253S004	01.00 Provide a "display trace default" type of command.	D200083519	72
	64253S004	01.00 Need a home up/down for symbol displays	D200083790	72
	64253S004	01.00 Add status line logging	D200084319	73
	64253S004	01.00 Add "display module_name" command	D200084574	73
	64253S004	01.00 Add "set" command for shell variables (like in pmon)	D200084830	73
	64253S004	01.00 Tracelist symbols disappear.	D200086041	69
	64253S004	01.00 Using simio, then continuing , may not be possible	D200086389	70
	64253S004	01.00 "end" softkey after HP-IB error does not clear command line	D200088344	70
	64253S004	01.00 Code disp. with trace not right if code changed w/o ending emul. session	D200090878	70
	64253S004	01.00 Source lines missing from absolute trace display	D200093831	71
	64253S004	01.00 "GOOD" Emulation hardware may "FAIL PV".	D200093989	71

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Number: 5000279067 Product: 64000-UX OP-ENV 300 64801S004 02.20

One-line description:

Vt200 and vt220 terminfo files change the behavior of vi.

Problem:

The 1.10 of the vt220 and vt200 terminfo files changed the sequences sent by the up, down, left and right cursor keys. These changes prevent the proper use of these keys when in vi. The definitions for the keys are improperly set to:

kcud1=\E[B kcub1=\E[D kcuf1=\E[C kcuu1=\E[A

changing these to:

kcud1=\EOB kcub1=\EOD kcuf1=\EOC kcuu1=\EOA

allows the cursor keys to be used.

A change to the terminfo files has been made and will be released with the next software shipment.

Signed off 10/28/88 in release A02.30

Number: D200087445 Product: 64000-UX OP-ENV 300 64801S004 02.20

One-line description:

Option_test does not support set (environmental variable) command

Problem:

Detailed Listing for Defect Number LSDqf02728

Text:

option_test does not support set (environmental variable) command

In keeping with the emulation upgrade, option_test should support the set command, which sets an environmental variable...

This is being added now, in the files layer0/grammar/scanner.c and layre0/grammar/optgram.y.

- Bruce E

Temporary solution:

no temporary solution at this time.

Signed off 10/28/88 in release A02.30

Number: D200091280 Product: 64000-UX OP-ENV 300 64801S004 01.80

One-line description:

"makecdf(1)" error may occur in msinit on a new discless cluster

Problem:

When "msinit -s" is run on a newly created discless cluster, the user may see the following message:

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makecdf: /usr/hp64000/etc: Permission denied

Temporary solution:

When a new discless cluster is brought up, "msinit -s" should be executed by the super-user first before any other users try to execute it. Subsequent executions of "msinit [-s]" by non-super-users should work without failure.

Signed off 10/21/88 in release A02.30

Number: 1650053652 Product: 64000-UX OP-ENV 300 64801S004 02.30

One-line description:
edbuild w/ ols compiler takes too long when code exceeds seg boundaries.

Problem:

using the 8088 ols compiler for a program which is about 52kbytes in size edbuild takes more than one hour if segment boundaries are exceeded. When the code does not exceed segmnt boundaries edbuild performs normally (only a few minutes) for the same program. -h option with factor 6 does only help a bit, edbuild then takes 51 min instead of over one hour.

Signed off 10/28/88 in release A02.30

Number: D200080119 Product: 64000-UX OP-ENV 300 64801S004 01.60

One-line description:
HP64000-UX puts terminfo files in HP-UX reserved place

Problem:

64-UX product puts some of its files in an HPUX reserved place. The TERINFO files are placed in /usr/lib/terminfo/? even though there is a mechanism to support customized TERINFO files via the environment variable TERINFO. This is a misuse of root priv. to install software. This can overwrite the users TERINFO entry and is a source of confusion since a user later thinks that these entries are shipped with standard HPUX.

Temporary solution:

Since the entries shipped with HP64000-UX have unique names that are not part of HP-UX, there is no concern over writing over existing entries unless the user has put terminfo entries into the /usr/lib/terminfo directory. If the user has put his own entries into the /usr/lib/terminfo directory, they should not have the following names so that installing HP 64000-UX will not overwrite their entries.

/usr/lib/terminfo/f/fansi
/usr/lib/terminfo/f/fansi-rv
/usr/lib/terminfo/v/vt100a
/usr/lib/terminfo/v/vt101a
/usr/lib/terminfo/v/vt102a
/usr/lib/terminfo/v/vt131a
/usr/lib/terminfo/v/vt200
/usr/lib/terminfo/v/vt220

Signed off 10/21/88 in release A02.30

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Number: D200093153 Product: 64000-UX OP-ENV 300 64801S004 01.80

One-line description:
New names of 64801 partitions cause mass confusion

Problem:

The new revision, 2.20, of 64801S004 has been created without any system/64801/{productrev,revfile,customize} files. Yes, I know that they are all in system/640PSYS, but the lack will create a large supportability problem. Why don't we link the two direcories? Also, the system/640PSYS/customize script doesn't get rid of the old system/64801/productrev file, so after the update, it looks like nothing happened (because Phyllis Smith and myself are the only two people in the world who know that system/640PSYS got updated and not system/64801).

dag

Signed off 10/21/88 in release A02.30

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Number: D200095000 Product: 68000 12MHZ EMUL DOS 64742S006 01.01

One-line description:
Unable to use filename.a:symbol as a valid local symbol

Signed off 11/04/88 in release A01.02

Number: D200095018 Product: 68000 12MHZ EMUL DOS 64742S006 01.01

One-line description:
Entering memory address could hang system

Signed off 11/04/88 in release A01.02

Number: D200095026 Product: 68000 12MHZ EMUL DOS 64742S006 01.01

One-line description:
Ranging during analysis spec screen may hang system

Signed off 11/04/88 in release A01.02

Number: D200096263 Product: 68000 12MHZ EMUL DOS 64742S006 01.07

One-line description:
ctl-z is ignored one time upon entry into fui

Signed off 11/04/88 in release A01.02

Number: D200096412 Product: 68000 12MHZ EMUL DOS 64742S006 01.07

One-line description:
Searching a large memory address range can hang system

Signed off 11/04/88 in release A01.02

Number: D200094995 Product: 68000 12MHZ EMUL DOS 64742S006 01.01

One-line description:
Adding emsetspecrun and emspectrace, and changing emspecrun

Signed off 11/04/88 in release A01.02

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Number: D200090498 Product: 68000 BBA

300 64380S004 01.00

One-line description:

Complex conditional assignment declarations cause bbacpp to core dump

Problem:

Detailed Listing for Defect Number LSDqf03782

Text:

complex conditional assignment declarations cause bbacpp to core dump

Some complex conditional assignments will cause bbacpp to core dump if they are in declaration statements. For example:

main()

```
{    int digit = 6 - ((__ctype[c]&01) ? '0' : ((__ctype[c]&02)
    ? 'A' - 10)
    : ('a' - 10));}
```

Causes a problem.

Temporary solution:

Move the assignment statement out of the of declaration:

main()

```
{    int digit;
    digit = 6 - ((__ctype[c]&01) ? '0' : ((__ctype[c]&02)
    ? 'A' - 10)
    : ('a' - 10));}
```

Signed off 10/27/88 in release A01.10

Number: D200090506 Product: 68000 BBA 300 64380S004 01.00

One-line description:

Switch statement followed immediately by a label cases bbacpp to fail

Problem:

06/02/88 LSD STARS DTS LINK COPIED FROM D200090456 64381S004

Detailed Listing for Defect Number LSDqf03784

Text:

switch statement followed immediately by a label cases bbacpp to fail

If a switch statement of the form

```
switch(var)
label:
if (alpha)
{
    case 5 :
    alpha++;
}
```

is encountered, bbacpp will generate incorrect code that changes the

- -8

SRB detail reports as of 11/04/88

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logic of the program. Note that this is a *very* unusual construct.

Workaround:

Place braces around the label:

```
switch(var)
{
    /* added brace */
label:
if (alpha)
{
    case 5 :
    alpha++;
}
/* added brace */
```

Temporary solution:

Place braces around the label:

```
switch(var)
{
    /* added brace */
label:
if (alpha)
{
    case 5 :
    alpha++;
}
/* added brace */
```

Signed off 10/27/88 in release A01.10

Number: D200090514 Product: 68000 BBA 300 64380S004 01.00

One-line description:

A switch statement with no statement causes bbacpp to fail

Problem:

Detailed Listing for Defect Number LSDqf03785

Text:

a switch statement with no statement causes bbacpp to fail

If a switch statement of the form

```
switch(5);
```

is encountered by bbacpp, bbacpp will issue an incorrect warning and refuse to continue parsing the file.

Note that this statement is somewhat non-sensical; there are no 'case' statements for the switch to go to.

Temporary solution:

No workaround is needed.

Signed off 10/27/88 in release A01.10

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SRB detail reports as of 11/04/88

Number: D200096222 Product: 68000 BBA

300 64380S004

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01.00

One-line description:

Enhance to match changes in standard version of cpp

Problem:

Detailed Listing for Defect Number LSDqf05035

Text:

Enhance to match changes in standard version of cpp

Please enhance bbacpp to match current status of standard cpp.

Al,
Please bypass marketing review etc., and put the defects directly into QA status.

This defect effects the 64380 and 64381 option 4.

Signed off 10/27/88 in release A01.10

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01.00

One-line description:

Option for inverse C code only works if it is specified first.

Problem:

The option for surrounding the C source statements in the output listing with inverse video escape sequences only works if it specified as the first option.

Eg:

cc68000 -Lac -WL,ti simple.c #OK will generate inverse video

cc68000 -Lac -WL,it simple.c #BAD won't " "

Temporary solution:

There is no workaround available.

Signed off 10/27/88 in release A02.10

Number: 1650070805 Product: 68000C AXLS COMP 300 64902S004

02.00

One-line description:

Lister fails if number of #include's is > ~57.

Problem:

The lister doesn't start closing any #include files until it has read all of the files. This practice can cause the HPUX open file limit to be reached.

Temporary solution:
None.

This is repaired in the next release, 2.10.

Signed off 10/31/88 in release A02.10

Number: 5000292375 Product: 68000C AXLS COMP 300 64902S004

02.00

One-line description:

-o option passed to the assembler is always listed last on command line.

Problem:

Using the verbose option in the cc68000 command shows that the -o option is passed to the assembler, but the default -o option is always listed last on the command line. For example, for the command "cc68000 -hc -Wa,-ofile.out file.c" the command line generated by the assembler is "as68k -H file.A -ofile.out -o file.o /tmp/...", thus the default .o file is always generated.

Temporary solution:
None.

Signed off 10/27/88 in release A02.10

SRB detail reports as of 11/04/88

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Number: 5000403014 Product: 68000C AXLS COMP 300 64902S004 02.00

One-line description:

Nested function calls create dynamic memory error.

Problem:

A COMPLEX, NESTED FUNCTION CALL RESULTS IN DYNAMIC MEMORY ERROR.

EXAMPLE:

```
functa (&al,a=
functa (&bl,b=
functa (&cl,c=
.
.
.
functa (&y1,y=vari))...);
```

THE FUNCTION CALL IS NESTED 22 LEVELS. THE ERROR MESSAGES PRODUCED ARE:

"250536: Warning - confusing line directive may affect debug info."
and "Asked for too much dynamic memory. Asked = 463820 Max = 8192."

Signed off 10/27/88 in release A02.10

Number: 5000410688 Product: 68000C AXLS COMP 300 64902S004 02.00

One-line description:

#define's do not get expanded properly inside of #pragma ASM's

Problem:

```
#define X 1
```

```
main()
```

```
{
#pragma ASM
    move.l X,d0    <= expanded to move.l 1X,d0
#pragma END_ASM
}
```

Temporary solution:
None.

Signed off 10/27/88 in release A02.10

Number: D200092163 Product: 68000C AXLS COMP 300 64902S004 01.00

Keywords: CODE GENERATOR

One-line description:

'Cannot open file' message coming from lister, if open many includes.

Problem:

The lister will issue the following message: 'Cannot open file'
under the following circumstances:

- File A includes many files, which may in turn include many files,
and the number of files included is larger than 54, and file A

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is still open

- None of the include files generate assembly code. (In other words,
include files that only define variables, will cause this problem).
ODE TRAILER LINE

Temporary solution:

Change include files to include less than 54 files, as they branch
out from original include, or put in some dummy code to cause lister
to close files.

Signed off 10/27/88 in release A02.10

Number: D200093013 Product: 68000C AXLS COMP 300 64902S004 01.00

One-line description:

Cpp looks in the wrong directory for local include files.

Problem:

When searching for relative local include files (those specified with
quotes which don't begin with a '/') cpp always searches relative to
the directory the original C source file is in. Cpp should be searching
relative to the directory that the file doing the including is in. In
the following example, cpp won't find t1.h when it should.

Example:

File t.c contains:
#include "temp/t.h"

File temp/t.h contains:
#include "t1.h"

File temp/t1.h contains:
int i;

Temporary solution:
Use full path names.

Signed off 10/27/88 in release A02.10

Number: D200093039 Product: 68000C AXLS COMP 300 64902S004 01.00

One-line description:

Cpp requires white space after #define macro name.

Problem:

The following case is currently errored by cpp for having an
illegal macro name.

```
#define abc/def 1
```

The ANSI draft doesn't indicate an error in this case. The result
should be a macro "abc" defined to be "/def 1".

Temporary solution:
None.

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Signed off 10/27/88 in release A02.10

Number: D200093948 Product: 68000C AXLS COMP 300 64902S004 02.00

One-line description:

INT_MIN and LONG_MIN macros produce constants of the wrong type.

Problem:

The macros INT_MIN and LONG_MIN produce constants that have unsigned type. Thus the expression INT_MIN >> 1 is not negative, it is positive.

Temporary solution:

None.

Signed off 10/27/88 in release A02.10

Number: D200093963 Product: 68000C AXLS COMP 300 64902S004 02.00

One-line description:

An assert () call prior to an else statement may cause improper grouping

Problem:

The following code segment will not compile correctly:

```
if (expr)
    assert(expr != 0);
else
    stmts.....
```

The problem is that the assert() macro is composed of an if statement without an else clause. The 'else' in the code fragment will be grouped with the 'if' that comes from the assert macro.

The problem only occurs when an assert call is the only statement in the 'then' clause of an if statement. This situation is very unlikely.

Temporary solution:

None.

Signed off 10/27/88 in release A02.10

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Number: D200093443 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

Invalid COM port in 64700tab file

Problem:

There is an invalid COM port in the 64700tab file. The second COM port in the 64700tab file should be COM2 instead of COM1.

Temporary solution:

There is no workaround available.

Signed off 11/04/88 in release A01.02

Number: D200096453 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

Unable to use filename.a:symbol as a valid local symbol

Signed off 11/04/88 in release A01.02

Number: D200096461 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

Entering memory address could hang system

Signed off 11/04/88 in release A01.02

Number: D200096479 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

ctl-z is ignored one time upon entry into fui

Signed off 11/04/88 in release A01.02

Number: D200096487 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

Ranging during analysis spec screen may hang system

Signed off 11/04/88 in release A01.02

Number: D200096495 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

Searching a large memory address range can hang system

Signed off 11/04/88 in release A01.02

Number: D200096446 Product: 68010 16MHZ EMUL DOS 64745S006 01.01

One-line description:

Adding emsetspectrum and emspectrace, and changing emspecrun

Signed off 11/04/88 in release A01.02

SRB detail reports as of 11/04/88

Number: D200090449 Product: 68020 BBA

300 64381S004 01.10

One-line description:

Complex conditional assignment declarations cause bbacpp to core dump

Problem:

Detailed Listing for Defect Number LSDqf03782

Text:

complex conditional assignment declarations cause bbacpp to core dump

Some complex conditional assignments will cause bbacpp to core dump if they are in declaration statements. For example:

```
main()
{
    int digit = 6 - ((__ctype[c]&01) ? '0' : ((__ctype[c]&02)
        ? 'A' - 10)
        : ('a' - 10));
}
```

Causes a problem.

Temporary solution:

Move the assignment statement out of the declaration:

```
main()
{
    int digit;
    digit = 6 - ((__ctype[c]&01) ? '0' : ((__ctype[c]&02)
        ? 'A' - 10)
        : ('a' - 10));
}
```

Signed off 10/27/88 in release A01.20

Number: D200090456 Product: 68020 BBA 300 64381S004 01.10

One-line description:

Switch statement followed immediately by a label causes bbacpp to fail

Problem:

Detailed Listing for Defect Number LSDqf03784

Text:

switch statement followed immediately by a label causes bbacpp to fail

If a switch statement of the form

```
switch(var)
label:
    if (alpha)
    {
        case 5 :
        alpha++;
    }
```

is encountered, bbacpp will generate incorrect code that changes the

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logic of the program. Note that this is a *very* unusual construct.

Temporary solution:

Place braces around the label:

```
switch(var)
{
    /* added brace */
label:
    if (alpha)
    {
        case 5 :
        alpha++;
    }
    /* added brace */
```

Signed off 10/27/88 in release A01.20

Number: D200090464 Product: 68020 BBA 300 64381S004 01.10

One-line description:

A switch statement with no statement causes bbacpp to fail

Problem:

Detailed Listing for Defect Number LSDqf03785

Text:

a switch statement with no statement causes bbacpp to fail

If a switch statement of the form

```
switch(5);
```

is encountered by bbacpp, bbacpp will issue an incorrect warning and refuse to continue parsing the file.

Note that this statement is somewhat non-sensical; there are no 'case' statements for the switch to go to.

Temporary solution:

No workaround is needed.

Signed off 10/27/88 in release A01.20

Number: D200096248 Product: 68020 BBA 300 64381S004 01.10

One-line description:

Enhance to match changes in standard version of cpp

Problem:

Detailed Listing for Defect Number LSDqf05035

Text:

Enhance to match changes in standard version of cpp

Please enhance bbacpp to match current status of standard cpp.

- -8

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A1,
Please bypass marketing review etc., and put the defects
directly into QA status.

This defect effects the 64380 and 64381 option 4.

Signed off 10/27/88 in release A01.20

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Number: 5000416248 Product: 68020C AXLS COMP 300 64903S004 02.00

One-line description:
Switch to pad elements with a structure to word boundaries instead of q.

Problem:
Variables of size four bytes or larger are considered to be
quad-aligned. Padding will be inserted in structures to make
quad-aligned variables start on quad-boundaries. Padding will
be similarly inserted for word-aligned variables.

Temporary solution:
If the elimination of padding to save space is a consideration,
variables within structures may be rearranged such as:

```
struct { char a;    =>    struct { int i;
      int i;                      char a;
      char b;                     char b;
};
```

If the padding is a problem because external hardware expects
word-alignment, bitfields are non-aligned and may be used such
as:

```
struct { char a;    =>    struct { char a;
      int i;                      char dummy;
};
```

TTFN

Signed off 11/04/88 in release A02.11

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Number: D200080150 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:

When using the HP 64000-UX products and netumaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 11/04/88 in release A01.10

Number: D200080762 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:

If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 11/04/88 in release A01.10

Number: D200081430 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Relative path names (e.g. ./cmd) should not search PATH

Problem:

A new feature was added to the core feature set to search for command files using the users PATH variable for a search path. A defect has been introduced such that specifying a relative path with a command file still has the command file looked for in the search path.

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Relative path names should override the PATH variable like they do in a standard shell. Only names not containing any '/' should be searched for using PATH. All others (especially ./name) should be used relative to the current directory.

Temporary solution:

Specify command files with full path names if the application is unable to find your command file.

Signed off 11/04/88 in release A01.10

Number: D200081976 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Tracelist symbols disappear.

Problem:

The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:

Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 11/04/88 in release A01.10

Number: D200082008 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by

cat < ptyxx

This causes the pending output to be flushed, and the processes will die naturally.

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Signed off 11/04/88 in release A01.10

Number: D200082503 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 11/04/88 in release A01.10

Number: D200085241 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Load <file> noupdate without database should give error message.

Problem:

Load <file> noupdate without database should give error message

The following load command gives a somewhat confusing result if no database (file.Y) exists:

load <file> noupdate

The noupdate command says to not rebuild the edb database if it is out of date. If no database exists the result is that the absolute file gets loaded, without any warning or error message, and any old symbols get destroyed. The correct response should be to at least issue the following warning message - "No database: file".

This enhancement request should be expanded to all of the PII emulators.

Signed off 11/04/88 in release A01.10

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Number: D200085795 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 11/04/88 in release A01.10

Number: D200086934 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Core dump can happen when displaying guarded memory mnemonic

Signed off 11/04/88 in release A01.10

Number: D200088104 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emul/gencore.

Signed off 11/04/88 in release A01.10

Number: D200090639 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program
Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session.

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For example, a user running in windows does a display trace source on, and sees a statement: `i = 1;` in the trace along with the `MOVE.L #1,D0` that accompanies that source line. The user then moves to another window, changes the source line to `i = 2;`, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows `MOVE.L #2,D0` as expected, BUT shows `i = 1;` as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 11/04/88 in release A01.10

Number: D200093864 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

"Copy to Read-Only files", fails to deliver an error message to screen

Problem:

If an attempt is made to use the copy command to write to read only file the command fails silently. The error message "permission denied" never shows up.

Signed off 11/04/88 in release A01.10

Number: D200094391 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Emulation core dumps when run in a small window.

Problem:

When emulation is run in a small window, it ends releases before the status line comes up and generates a core file. It should leave the emulator locked and display a message, "Display size is too small".

Signed off 11/04/88 in release A01.10

Number: D200082495 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Allow file loading without symbol database update.

Problem:

Would like to be able to load a file without changing the symbol database.

Temporary solution:

No workaround at this time.

Signed off 11/04/88 in release A01.10

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Number: D200082511 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Provide a "display trace default" type of command.

Problem:

Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:
No workaround.

Signed off 11/04/88 in release A01.10

Number: D200082529 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Need a home up/down for symbol displays

Problem:

Add home up/down capability to symbol displays.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200082545 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Add status line logging

Problem:

Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200082552 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Add "display module_name" command

Problem:

Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:

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None at this time.

Signed off 11/04/88 in release A01.10

Number: D200082560 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Add "set" command for shell variables (like in pmon)

Problem:

Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:

Set shell variables in the shell or in pmon before entering emulation.

Signed off 11/04/88 in release A01.10

Number: D200082586 Product: 6805 U&R EMUL 300 64192S004 01.00

One-line description:

Add scrolling for repetitive traces

Problem:

Add ability to scroll (up/down/left/right) during a repetitive trace. Currently, the keys are inactive since they don't work while a trace is in process, and that is always the case for a repetitive trace. What should happen is that the keystroke(s) are stored until the current trace comes complete, at which time they will be processed.

Temporary solution:

None at this time.

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Number: 1650057893 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Can't load a program into target memory or emul. mem. with slow clock.

Problem:

Same as submitter text.

Temporary solution:

There is no workaround available.

Signed off 11/04/88 in release A01.10

Number: D200080481 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:

When using the HP 64000-UX products and netunaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 11/04/88 in release A01.10

Number: D200080796 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:

If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

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Signed off 11/04/88 in release A01.10

Number: D200081455 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Relative path names (e.g. ./cmd) should not search PATH

Problem:

A new feature was added to the core feature set to search for command files using the users PATH variable for a search path. A defect has been introduced such that specifying a relative path with a command file still has the command file looked for in the search path.

Relative path names should override the PATH variable like they do in a standard shell. Only names not containing any '/' should be searched for using PATH. All others (especially ./name) should be used relative to the current directory.

Temporary solution:

Specify command files with full path names if the application is unable to find your command file.

Signed off 11/04/88 in release A01.10

Number: D200082032 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by
cat < ptyxx

This causes the pending output to be flushed, and the processes will die naturally.

Signed off 11/04/88 in release A01.10

Number: D200083071 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A

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good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 11/04/88 in release A01.10

Number: D200085852 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Tracelist symbols disappear.

Problem:

The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:

Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 11/04/88 in release A01.10

Number: D200086249 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 11/04/88 in release A01.10

Number: D200088203 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command

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line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emul/gencore.

Signed off 11/04/88 in release A01.10

Number: D200090662 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program
Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 11/04/88 in release A01.10

Number: D200095513 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Emulation core dumps when run in a small window.

Problem:

When emulation is run in a small window, it ends releases before the status line comes up and generates a core file. It should leave the emulator locked and display a message, "Display size is too small".

Signed off 11/04/88 in release A01.10

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Number: D200095802 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

"Copy to Read-Only files", fails to deliver an error message to screen

Problem:

If an attempt is made to use the copy command to write to read only file the command fails silently. The error message "permission denied" never shows up.

Signed off 11/04/88 in release A01.10

Number: D200082818 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Allow file loading without symbol database update.

Problem:

Would like to be able to load a file without changing the symbol database.

Temporary solution:

No workaround at this time.

Signed off 11/04/88 in release A01.10

Number: D200083337 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Provide a "display trace default" type of command.

Problem:

Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:

No workaround.

Signed off 11/04/88 in release A01.10

Number: D200083618 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:

Need a home up/down for symbol displays

Problem:

Add home up/down capability to symbol displays.

Temporary solution:

None at this time.

Signed off 11/04/88 in release A01.10

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Number: D200084137 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:
Add status line logging

Problem:

Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084392 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:
Add "display module_name" command

Problem:

Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084657 Product: 6805 E EMUL 300 64195S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:

Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 11/04/88 in release A01.10

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Number: D200080473 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:

When using the HP 64000-UX products and netunaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 11/04/88 in release A01.10

Number: D200080788 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:
If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 11/04/88 in release A01.10

Number: D200082024 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:
 If the tty associated with the process is a pty, then you can release the processes by
 cat < ptyxx
 This causes the pending output to be flushed, and the processes will die naturally.

Signed off 11/04/88 in release A01.10

Number: D200083063 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
 Loading a trace file from a different processor may cause core dump

Problem:
 If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:
 Do not attempt to load a trace file for a mode that is not supported.

Signed off 11/04/88 in release A01.10

Number: D200085845 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
 Tracelist symbols disappear.

Problem:
 The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:
 Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 11/04/88 in release A01.10

Number: D200086231 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
 Using simio, then continuing, may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 11/04/88 in release A01.10

Number: D200088195 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
 "end" softkey after HP-IB error does not clear command line

Problem:
 If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emul/gencore.

Signed off 11/04/88 in release A01.10

Number: D200090654 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
 Code disp. with trace not right if code changed w/o ending emul. session

Problem:
 Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program. Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The

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trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 11/04/88 in release A01.10

Number: D200095505 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:

Emulation core dumps when run in a small window.

Problem:

When emulation is run in a small window, it ends releases before the status line comes up and generates a core file. It should leave the emulator locked and display a message, "Display size is too small".

Signed off 11/04/88 in release A01.10

Number: D200095794 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:

"Copy to Read-Only files", fails to deliver an error message to screen

Problem:

If an attempt is made to use the copy command to write to read only file the command fails silently. The error message "permission denied" never shows up.

Signed off 11/04/88 in release A01.10

Number: D200082800 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:

Allow file loading without symbol database update.

Problem:

Would like to be able to load a file without changing the symbol database.

Temporary solution:

No workaround at this time.

Signed off 11/04/88 in release A01.10

Number: D200083329 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:

Provide a "display trace default" type of command.

Problem:

Provide a "display trace default" type command to display the current trace with default trace display settings.

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Temporary solution:
No workaround.

Signed off 11/04/88 in release A01.10

Number: D200083600 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
Need a home up/down for symbol displays

Problem:

Add home up/down capability to symbol displays.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084129 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
Add status line logging

Problem:

Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084384 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
Add "display module_name" command

Problem:

Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

SRB detail reports as of 11/04/88
Number: D200084640 Product: 6805 G EMUL 300 64194S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:
Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 11/04/88 in release A01.10

SRB detail reports as of 11/04/88
Number: D200080465 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netunaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 11/04/88 in release A01.10

Number: D200080770 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:
Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:
If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 11/04/88 in release A01.10

Number: D200081448 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
Relative path names (e.g. ./cmd) should not search PATH

Problem:
A new feature was added to the core feature set to search for command files using the users PATH variable for a search path. A defect has been introduced such that specifying a relative path with a command file still has the command file looked for in the search path.

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Relative path names should override the PATH variable like they do in a standard shell. Only names not containing any '/' should be searched for using PATH. All others (especially ./name) should be used relative to the current directory.

Temporary solution:

Specify command files with full path names if the application is unable to find your command file.

Signed off 11/04/88 in release A01.10

Number: D200082016 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by
cat < ptyxx

This causes the pending output to be flushed, and the processes will die naturally.

Signed off 11/04/88 in release A01.10

Number: D200083055 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 11/04/88 in release A01.10

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Number: D200085837 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
Tracelist symbols disappear.

Problem:

The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:

Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 11/04/88 in release A01.10

Number: D200086223 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 11/04/88 in release A01.10

Number: D200088187 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emul/gencore.

Signed off 11/04/88 in release A01.10

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Number: D200090647 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: `i = 1;` in the trace along with the `MOVE.L #1,D0` that accompanies that source line. The user then moves to another window, changes the source line to `i = 2;`, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows `MOVE.L #2,D0` as expected, BUT shows `i = 1;` as the source line.

End out of emulation, and reenter before loading the new program
Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: `i = 1;` in the trace along with the `MOVE.L #1,D0` that accompanies that source line. The user then moves to another window, changes the source line to `i = 2;`, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows `MOVE.L #2,D0` as expected, BUT shows `i = 1;` as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 11/04/88 in release A01.10

Number: D200095497 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Emulation core dumps when run in a small window.

Problem:

When emulation is run in a small window, it ends releases before the status line comes up and generates a core file. It should leave the emulator locked and display a message, "Display size is too small".

Signed off 11/04/88 in release A01.10

Number: D200095786 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

"Copy to Read-Only files", fails to deliver an error message to screen

Problem:

If an attempt is made to use the copy command to write to read only file the command fails silently. The error message "permission denied" never shows up.

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Signed off 11/04/88 in release A01.10

Number: D200082792 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Allow file loading without symbol database update.

Problem:

Would like to be able to load a file without changing the symbol database.

Temporary solution:

No workaround at this time.

Signed off 11/04/88 in release A01.10

Number: D200083311 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Provide a "display trace default" type of command.

Problem:

Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:

No workaround.

Signed off 11/04/88 in release A01.10

Number: D200083592 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Need a home up/down for symbol displays

Problem:

Add home up/down capability to symbol displays.

Temporary solution:

None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084111 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:

Add status line logging

Problem:

Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

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Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084376 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
Add "display module_name" command

Problem:
Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:
None at this time.

Signed off 11/04/88 in release A01.10

Number: D200084632 Product: 6805 P EMUL 300 64193S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:
Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 11/04/88 in release A01.10

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Number: D200069401 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
Measurement System end_released when terminal cannot be initialized

Problem:
A measurement system will be end_released, resulting in loss of data, when a non-supported terminal is used to enter a currently locked measurement system. This problem will arise if the TERM environment variable is not set to a value that is supported by 64000-UX. This may happen when logging in to a system over a port that is not hard-wired (modem, LAN vt, etc.) where the system prompts you for the Terminal type, which sets the TERM variable.

Temporary solution:
Make sure that the TERM variable is set to a type of terminal that is supported with 64000-UX. This can be verified by typing "echo \$TERM".

Signed off 10/21/88 in release A01.10

Number: D200070557 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
The Inter-Module-Bus trigger signal latches when set to drive & receive

Problem:
When two emulators are set to drive and receive trigger, after the trigger signal is driven once over the IMB, the trigger signal latches. Subsequent measurements trigger immediately since the trigger signal on the IMB is still latched from the previous measurement.

Temporary solution:
No workaround at this time.

Signed off 10/21/88 in release A01.10

Number: D200080507 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netunaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 10/21/88 in release A01.10

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Number: D200080812 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:

If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 10/21/88 in release A01.10

Number: D200082081 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by

cat < ptyxx

This causes the pending output to be flushed, and the processes will die naturally.

Signed off 10/21/88 in release A01.10

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Number: D200083097 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 10/21/88 in release A01.10

Number: D200085902 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Tracelist symbols disappear.

Problem:

The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:

Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 10/21/88 in release A01.10

Number: D200086298 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

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Signed off 10/21/88 in release A01.10

Number: D200088252 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /1sd/p2/cmd/emul/gencore.

Signed off 10/21/88 in release A01.10

Number: D200090712 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program. Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 10/21/88 in release A01.10

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Number: D200094615 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Read memory causes long breaks into background.

Problem:

Detailed Listing for Defect Number LSDqf04831
read memory causes long breaks into background

.....
Reading memory causes long breaks into background. The original 64000 system did not spend nearly as much time in background. Architectural differences prevent us from being able to duplicate these short times in 64000-UX; however, there are some optimizations which can improve the 64000-UX times.

Signed off 10/21/88 in release A01.10

Number: D200095562 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Emulation core dumps when run in a small window.

Problem:

When emulation is run in a small window, it ends releases before the status line comes up and generates a core file. It should leave the emulator locked and display a message, "Display size is too small".

Signed off 10/21/88 in release A01.10

Number: D200095851 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

"Copy to Read-Only files", fails to deliver an error message to screen

Problem:

If an attempt is made to use the copy command to write to read only file the command fails silently. The error message "permission denied" never shows up.

Signed off 10/21/88 in release A01.10

Number: D200082634 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:

Allow file loading without symbol database update.

Problem:

Would like to be able to load a file without changing the symbol database.

Temporary solution:
No workaround at this time.

Signed off 10/21/88 in release A01.10

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Number: D200083352 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
Provide a "display trace default" type of command.

Problem:
Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:
No workaround.

Signed off 10/21/88 in release A01.10

Number: D200083634 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
Need a home up/down for symbol displays

Problem:
Add home up/down capability to symbol displays.

Temporary solution:
None at this time.

Signed off 10/21/88 in release A01.10

Number: D200084152 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
Add status line logging

Problem:
Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 10/21/88 in release A01.10

Number: D200084418 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
Add "display module_name" command

Problem:
Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

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Temporary solution:
None at this time.

Signed off 10/21/88 in release A01.10

Number: D200084673 Product: 6809 EMULATION 300 64215S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:
Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 10/21/88 in release A01.10

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Number: D200069419 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:

Measurement System end_released when terminal cannot be initialized

Problem:

A measurement system will be end_released, resulting in loss of data, when a non-supported terminal is used to enter a currently locked measurement system. This problem will arise if the TERM environment variable is not set to a value that is supported by 64000-UX. This may happen when logging in to a system over a port that is not hard-wired (modem, LAN vt, etc.) where the system prompts you for the Terminal type, which sets the TERM variable.

Temporary solution:

Make sure that the TERM variable is set to a type of terminal that is supported with 64000-UX. This can be verified by typing "echo \$TERM".

Signed off 10/21/88 in release A01.10

Number: D200080515 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:

pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:

When using the HP 64000-UX products and netumaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 10/21/88 in release A01.10

Number: D200080820 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:

Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:

If this problem occurs while loading absolute data, attempting

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to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 10/21/88 in release A01.10

Number: D200081851 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:

The Inter-Module-Bus trigger signal latches when set to drive & receive

Problem:

When two emulators are set to drive and receive trigger, after the trigger signal is driven once over the IMB, the trigger signal latches. Subsequent measurements trigger immediately since the trigger signal on the IMB is still latched from the previous measurement.

Temporary solution:

No workaround at this time.

Signed off 10/21/88 in release A01.10

Number: D200082099 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by

cat < ptyxx

This causes the pending output to be flushed, and the processes will die naturally.

Signed off 10/21/88 in release A01.10

Number: D200083105 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

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If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 10/21/88 in release A01.10

Number: D200085910 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Tracelist symbols dissappear.

Problem:

The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:

Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 10/21/88 in release A01.10

Number: D200086306 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 10/21/88 in release A01.10

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Number: D200088260 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emul/gencore.

Signed off 10/21/88 in release A01.10

Number: D200090720 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program
Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 10/21/88 in release A01.10

Number: D200095570 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Emulation core dumps when run in a small window.

Problem:

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When emulation is run in a small window, it ends releases before the status line comes up and generates a core file. It should leave the emulator locked and display a message, "Display size is too small".

Signed off 10/21/88 in release A01.10

Number: D200095869 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
"Copy to Read-Only files", fails to deliver an error message to screen

Problem:
If an attempt is made to use the copy command to write to read only file the command fails silently. The error message "permission denied" never shows up.

Signed off 10/21/88 in release A01.10

Number: D200082842 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Allow file loading without symbol database update.

Problem:
Would like to be able to load a file without changing the symbol database.

Temporary solution:
No workaround at this time.

Signed off 10/21/88 in release A01.10

Number: D200083360 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Provide a "display trace default" type of command.

Problem:
Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:
No workaround.

Signed off 10/21/88 in release A01.10

Number: D200083642 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Need a home up/down for symbol displays

Problem:
Add home up/down capability to symbol displays.

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Temporary solution:
None at this time.

Signed off 10/21/88 in release A01.10

Number: D200084160 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Add status line logging

Problem:
Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 10/21/88 in release A01.10

Number: D200084426 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Add "display module_name" command

Problem:
Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:
None at this time.

Signed off 10/21/88 in release A01.10

Number: D200084681 Product: 6809E EMULATION 300 64216S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:
Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 10/21/88 in release A01.10

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Number: D200094573 Product: 680XX DEBUG/SIM 300 64360S004

00.00

One-line description:

Window Resize performance inconsistant at screen boundaries.

Temporary solution:

There is no known work around. Be careful as the window approaches the maximum size.

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Number: D200095042 Product: 80186

EMUL DOS 64764S006

01.02

One-line description:

Searching a large memory address range can hang system

Signed off 11/04/88 in release A01.03

Number: D200096289 Product: 80186

EMUL DOS 64764S006

01.02

One-line description:

ctrl-z is ignored one time upon entry into fui

Signed off 11/04/88 in release A01.03

Number: D200096339 Product: 80186

EMUL DOS 64764S006

01.02

One-line description:

Unable to use filename.a:symbol as a valid local symbol

Signed off 11/04/88 in :release A01.03

Number: D200096362 Product: 80186

EMUL DOS 64764S006

01.02

One-line description:

Entering memory address could hang system

Signed off 11/04/88 in release A01.03

Number: D200096396 Product: 80186

EMUL DOS 64764S006

01.02

One-line description:

Ranging during analysis spec screen may hang system

Signed off 11/04/88 in release A01.03

Number: D200096305 Product: 80186

EMUL DOS 64764S006

01.02

One-line description:

Adding emsetspecrun and emspectrace, and changing emspecrun

Signed off 11/04/88 in release A01.03

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Number: D200093427 Product: 80188

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EMUL DOS 64765S006 01.00

One-line description:
Invalid COM port in 64700tab file

Problem:
There is an invalid COM port in the 64700ta b file. The second COM port in the 64700tab file should be COM2 instead of COM1.

Temporary solution:
There is no workaround available.

Signed off 08/31/88 in release A01.02

SRB detail reports as of 11/04/88

Number: 5000280750 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
"Core dumps" when displaying user memory<odd address> blocked word.

Problem:
8051 emulator will "end_release" with a core dump if a display of external_data_memory blocked word is requested with an odd address and the memory is mapped as target. Example:

display external_data_memory 1 blocked words
will cause the emulator to end release if address 1 is mapped as "external_data_memory target ram"

Signed off 10/10/88 in release A01.10

Number: D200069575 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Measurement System end_released when terminal cannot be initialized

Problem:
A measurement system will be end_released, resulting in loss of data, when a non-supported terminal is used to enter a currently locked measurement system. This problem will arise if the TERM environment variable is not set to a value that is supported by 64000-UX. This may happen when logging in to a system over a port that is not hard-wired (modem, LAN vt, etc.) where the system prompts you for the Terminal type, which sets the TERM variable.

Temporary solution:
Make sure that the TERM variable is set to a type of terminal that is supported with 64000-UX. This can be verified by typing "echo \$TERM".

Signed off 10/10/88 in release A01.10

Number: D200075788 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Msg "Monitor must reside in emul pgm mem" is flaky

Signed off 10/10/88 in release A01.10

Number: D200077438 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Monitor is not recognized when overwritten, re-entered after "end-lock".

Signed off 10/10/88 in release A01.10

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Number: D200080683 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:

When using the HP 64000-UX products and netunaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 10/10/88 in release A01.10

Number: D200080986 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:

If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 10/10/88 in release A01.10

Number: D200081935 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

The Inter-Module-Bus trigger signal latches when set to drive & receive

Problem:

When two emulators are set to drive and receive trigger, after the trigger signal is driven once over the IMB, the trigger signal latches. Subsequent measurements trigger immediately since the trigger signal on the IMB is still latched from the previous measurement.

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Temporary solution:

No workaround at this time.

Signed off 10/10/88 in release A01.10

Number: D200082263 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by
cat < ptyxx

This causes the pending output to be flushed, and the processes will die naturally.

Signed off 10/10/88 in release A01.10

Number: D200082453 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Emulator end_releases when displaying int. data mem. repet. at odd addr.

Problem:

When displaying internal_data_memory at an odd address repetitively, the emulator end_releases with the error "HP 64120 I/O failed - Bad Address"

Temporary solution:
Specify an even address or a range that does not exceed the internal data memory space (maximum 7fh).

Signed off 10/10/88 in release A01.10

Number: D200083279 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

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Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 10/10/88 in release A01.10

Number: D200084913 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

"modify memory" command results in an "end release".

Problem:

The "Modify Memory" command results in an "end release".

Signed off 10/13/88 in release A01.10

Number: D200085405 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 10/10/88 in release A01.10

Number: D200088369 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emu/gencore.

Signed off 10/10/88 in release A01.10

Number: D200090894 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running is windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then

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moves to another window, changes the source line to i = 2;;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running is windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

Temporary solution:

End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 10/10/88 in release A01.10

Number: D200083014 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Allow file loading without symbol database update.

Problem:

Would like to be able to load a file without changing the symbol database.

Temporary solution:
No workaround at this time.

Signed off 10/10/88 in release A01.10

Number: D200083535 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:

Provide a "display trace default" type of command.

Problem:

Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:
No workaround.

Signed off 10/10/88 in release A01.10

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Number: D200083816 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Need a home up/down for symbol displays

Problem:
Add home up/down capability to symbol displays.

Temporary solution:
None at this time.

Signed off 10/10/88 in release A01.10

Number: D200084335 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Add status line logging

Problem:
Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 10/10/88 in release A01.10

Number: D200084590 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Add "display module_name" command

Problem:
Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:
None at this time.

Signed off 10/10/88 in release A01.10

Number: D200084955 Product: 8051 EMULATION 300 64264S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:
Since the softkey package now supports shell variable expansion, add a "set" command to emulation for creating shell variables. This feature already exists in pmon.

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Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 10/10/88 in release A01.10

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Number: D200095034 Product: TMS320C25 EMUL DOS 64787S006 01.01

One-line description:
ctl-z is ignored one time upon entry into fui

Signed off 10/31/88 in release A01.02

Number: D200096347 Product: TMS320C25 EMUL DOS 64787S006 01.01

One-line description:
Unable to use filename.a:symbol as a valid local symbol

Signed off 10/31/88 in release A01.02

Number: D200096370 Product: TMS320C25 EMUL DOS 64787S006 01.01

One-line description:
Entering memory address could hang system

Signed off 10/31/88 in release A01.02

Number: D200096404 Product: TMS320C25 EMUL DOS 64787S006 01.01

One-line description:
Ranging during analysis spec screen may hang system

Signed off 10/31/88 in release A01.02

Number: D200096438 Product: TMS320C25 EMUL DOS 64787S006 01.01

One-line description:
Searching a large memory address range can hang system

Signed off 10/31/88 in release A01.02

Number: D200096313 Product: TMS320C25 EMUL DOS 64787S006 01.01

One-line description:
Adding emsetspecrun and emspectrace, and changing emspecrun

Signed off 10/31/88 in release A01.02

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Number: D200096271 Product: Z80 EMUL DOS 64753S006 01.01

One-line description:
ct1-z is ignored one time upon entry into fui

Signed off 11/04/88 in release A01.02

Number: D200096321 Product: Z80 EMUL DOS 64753S006 01.01

One-line description:
Unable to use filename.a:symbol as a valid local symbol

Signed off 11/04/88 in release A01.02

Number: D200096354 Product: Z80 EMUL DOS 64753S006 01.01

One-line description:
Entering memory address could hang system

Signed off 11/04/88 in release A01.02

Number: D200096388 Product: Z80 EMUL DOS 64753S006 01.01

One-line description:
Ranging during analysis spec screen may hang system

Signed off 11/04/88 in release A01.02

Number: D200096420 Product: Z80 EMUL DOS 64753S006 01.01

One-line description:
Searching a large memory address range can hang system

Signed off 11/04/88 in release A01.02

Number: D200096297 Product: Z80 EMUL DOS 64753S006 01.01

One-line description:
Adding emsetspecrun and emspectrace, and changing emspecrun

Signed off 11/04/88 in release A01.02

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Number: 5000407874 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Display io_port repetitively blocked words sometimes hangs the terminal

Problem:

The command "display io_port 52H repetitively blocked words" creates an unexpected process on the 300 and hangs the terminal. The unreadable process name can be seen using "ps -ef" from another terminal. If the address of the io_port is a multiple of 10H this problem does not occur.

Signed off 09/22/88 in release A01.10

Number: D200069559 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Measurement System end_released when terminal cannot be initialized

Problem:

A measurement system will be end_released, resulting in loss of data, when a non-supported terminal is used to enter a currently locked measurement system. This problem will arise if the TERM environment variable is not set to a value that is supported by 64000-UX. This may happen when logging in to a system over a port that is not hard-wired (modem, LAN vt, etc.) where the system prompts you for the Terminal type, which sets the TERM variable.

Temporary solution:

Make sure that the TERM variable is set to a type of terminal that is supported with 64000-UX. This can be verified by typing "echo \$TERM".

Signed off 09/22/88 in release A01.10

Number: D200080663 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:

When using the HP 64000-UX products and netunaming across the LAN to another system, such as a compile server, the HP-UX command "pwd" which is used by the HP64000-UX product to tell what the local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in the HP 64000-UX application software. As soon as this defect is fixed in HP-UX, it will work correctly when using the HP 64000-UX applications.

Signed off 09/22/88 in release A01.10

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Number: D200080960 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Using Emulation across RFA can give incomplete symbol information

Problem:

Accessing symbol data in a remote file across RFA may result in incomplete symbol information being available. This problem is a result of read() calls being interrupted during file access over RFA.

This problem can also affect reading absolute data into memory as well.

Temporary solution:

If this problem occurs while loading absolute data, attempting to reload the file again may work.

There are two possible answers to this problem. The first is to move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine which is running the emulator. This can be done using the get64 program. When you load the emulator, a new .Y file will be created.

Signed off 09/22/88 in release A01.10

Number: D200081919 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

The Inter-Module-Bus trigger signal latches when set to drive & receive

Problem:

When two emulators are set to drive and receive trigger, after the trigger signal is driven once over the IMB, the trigger signal latches. Subsequent measurements trigger immediately since the trigger signal on the IMB is still latched from the previous measurement.

Temporary solution:
No workaround at this time.

Signed off 09/22/88 in release A01.10

Number: D200082248 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Processes sometimes left running after parent has stopped.

Problem:

Sometimes, when the parent process to a measurement system is killed some of the measurement systems processes are left running. Please change the behaviour of the products so that these processes die nicely.

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Temporary solution:

If the tty associated with the process is a pty, then you can release the processes by

```
cat < ptyxx
```

This causes the pending output to be flushed, and the processes will die naturally.

Signed off 09/22/88 in release A01.10

Number: D200083253 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Loading a trace file from a different processor may cause core dump

Problem:

If a trace file is created with "store trace" on a processor that allows multiple analysis modes with some mode other than the default, then is loaded by a processor with only one mode, a core dump will result. A good example is storing an execution mode trace on the dequeued 68000, then trying to load the trace on the non-dequeued 68000.

Temporary solution:

Do not attempt to load a trace file for a mode that is not supported.

Signed off 09/22/88 in release A01.10

Number: D200086041 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Tracelist symbols dissappear.

Problem:

The symbols will not be displayed in the trace list if the following commands are executed:

1. display trace absolute symbols on
2. end ; end locks the emulation session
3. <system name> <module name> ; continues the emulation session
4. display trace

The symbols will not be displayed even if you try to re-execute step number 1.

Temporary solution:

Perform the following steps after executing steps 1-4 listed in the problem text.

5. display trace mnemonic
6. display trace absolute

Signed off 09/22/88 in release A01.10

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Number: D200086389 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Using simio, then continuing , may not be possible

Problem:

If simio is used extensively, then the user attempts to end and reenter emulation, reentry will not be possible, and there will be a continuous error message stating that the 64120 will not accept a download. This is a problem with emulation core, and exists in all emulators.

Signed off 09/22/88 in release A01.10

Number: D200088344 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

"end" softkey after HP-IB error does not clear command line

Problem:

If there is an HP-IB error and the "end" softkey appears, the command line will not be cleared on any keystroke like it normally is. In addition there have been instances where NO keystroke would work and the "end" softkey was inoperable, nothing could be typed on the command line. The exit was to kill the process from another terminal. This problem exists for all HP64000-UX emulators built with /lsd/p2/cmd/emul/gencore.

Signed off 09/22/88 in release A01.10

Number: D200090878 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:

Code disp. with trace not right if code changed w/o ending emul. session

Problem:

Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the source line.

End out of emulation, and reenter before loading the new program. Source lines displayed with a trace may not be correct if the code is changed without ending out of the emulation session. For example, a user running in windows does a display trace source on, and sees a statement: i = 1; in the trace along with the MOVE.L #1,D0 that accompanies that source line. The user then moves to another window, changes the source line to i = 2;, recompiles, relinks, and runs edbuild. The user then moves back to the emulation window, reloads the file, and reruns the code and the trace. The trace shows MOVE.L #2,D0 as expected, BUT shows i = 1; as the

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source line.

Temporary solution:
End out of emulation, and reenter before loading the new program or executing the trace.

Signed off 09/22/88 in release A01.10

Number: D200093831 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Source lines missing from absolute trace display

Problem:
Source lines do not appear in the display during a "trace absolute source on." Source lines do appear in the display during a "trace mnemonic source on." Source lines should appear for both types of display.

Signed off 09/22/88 in release A01.10

Number: D200093989 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
"GOOD" Emulation hardware may "FAIL PV".

Problem:
The 64000-UX version of PV for the Z80H may erroneously report failures in the software breakpoint and illegal opcode break tests.

Signed off 09/22/88 in release A01.10

Number: 5000174557 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
"run until" uses trace before <trigger>, it should trace about <trigger>

Problem:
When you use the command "run until <trigger condition>", the internal analyzer is used to detect the trigger condition and then drive a break signal to the emulator. Since this break signal does not always come quickly enough to break the emulator on the desired state, the emulator may execute an extra instruction following the break condition. The problem is that the analyzer performs a "trace before <trigger cond.>" thus failing to show in the trace display whether any extra instructions were executed. The analyzer should be made to "trace about <trigger cond.>" so that the user can tell from the trace whether or not the emulator overshot its breakpoint.

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Number: 5000191395 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
With no absolute file loaded, "syntax error" is given for symbol access.

Problem:
An inappropriate error message is given when the user tries to access the local symbols in a file when no absolute file has been loaded. The error message given is "syntax error". This message is very confusing since the syntax is indeed correct. The error message should read "no symbols loaded" or "file not found" or "no absolute file loaded".

Signed off 09/22/88 in release A01.10

Number: D200082990 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Allow file loading without symbol database update.

Problem:
Would like to be able to load a file without changing the symbol database.

Temporary solution:
No workaround at this time.

Signed off 09/22/88 in release A01.10

Number: D200083519 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Provide a "display trace default" type of command.

Problem:
Provide a "display trace default" type command to display the current trace with default trace display settings.

Temporary solution:
No workaround.

Signed off 09/22/88 in release A01.10

Number: D200083790 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Need a home up/down for symbol displays

Problem:
Add home up/down capability to symbol displays.

Temporary solution:
None at this time.

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Signed off 09/22/88 in release A01.10

Number: D200084319 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Add status line logging

Problem:
Add ability to log status line information to a file or buffer so the user could go back and check for messages that may have flashed by too quickly to be read.

Temporary solution:
None at this time.

Signed off 09/22/88 in release A01.10

Number: D200084574 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Add "display module_name" command

Problem:
Add "display module_name" command so the user can easily tell which of several of the same processor he is running at any given time.

Temporary solution:
None at this time.

Signed off 09/22/88 in release A01.10

Number: D200084830 Product: Z80H EMULATION 300 64253S004 01.00

One-line description:
Add "set" command for shell variables (like in pmon)

Problem:
Since the softkey package now supports shell variable expansion, add a 'set' command to emulation for creating shell variables. This feature already exists in pmon.

Temporary solution:
Set shell variables in the shell or in pmon before entering emulation.

Signed off 09/22/88 in release A01.10



5958-6019, November 1988
E1188

Printed in U.S.A.